CHAPTER 2

Rigging Small Containers For Free Drop

Section I

RIGGING TWENTY-FOUR 1-QUART PLASTIC CANTEENS

2-1. Description of Load

The twenty-four 1-quart plastic canteens are rigged inside two cardboard containers. Honeycomb is placed between the inner and outer containers.

2-2. Preparing Inner Container

a. Expand the 30-inch-long inner cardboard container. Close one end by folding the end flaps. Seal the closed end with 3-inch tape. Make sure that the tape extends at least 6 inches down the sides of the container.

b. Expand the cardboard separator assembly.

2-3. Packaging Canteens

Check the canteens to make sure that the caps are tightly sealed. Package the canteens as shown in figure 2-1.

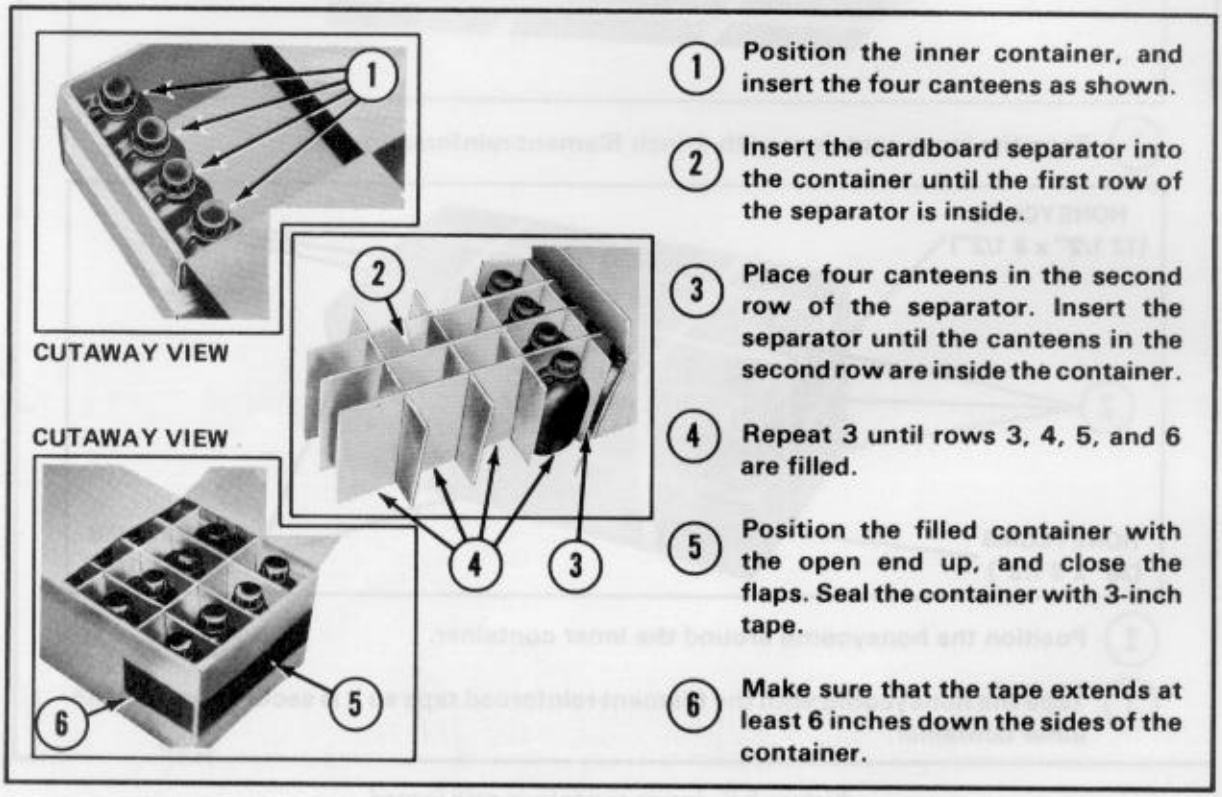


Figure 2-1. Canteens packed in the inner container.

2-4. Reinforcing Inner Container

Reinforce the inner container with 1-inch filament-reinforced tape and with two 12 1/2- by 8 1/2-inch, two 36- by 8 1/2-inch, and two 36- by 18 1/2-inch pieces of honeycomb. See figure 2-2.

2-5. Preparing and Packing Outer Container

Prepare and pack the outer container as shown in figures 2-3 and 2-4.

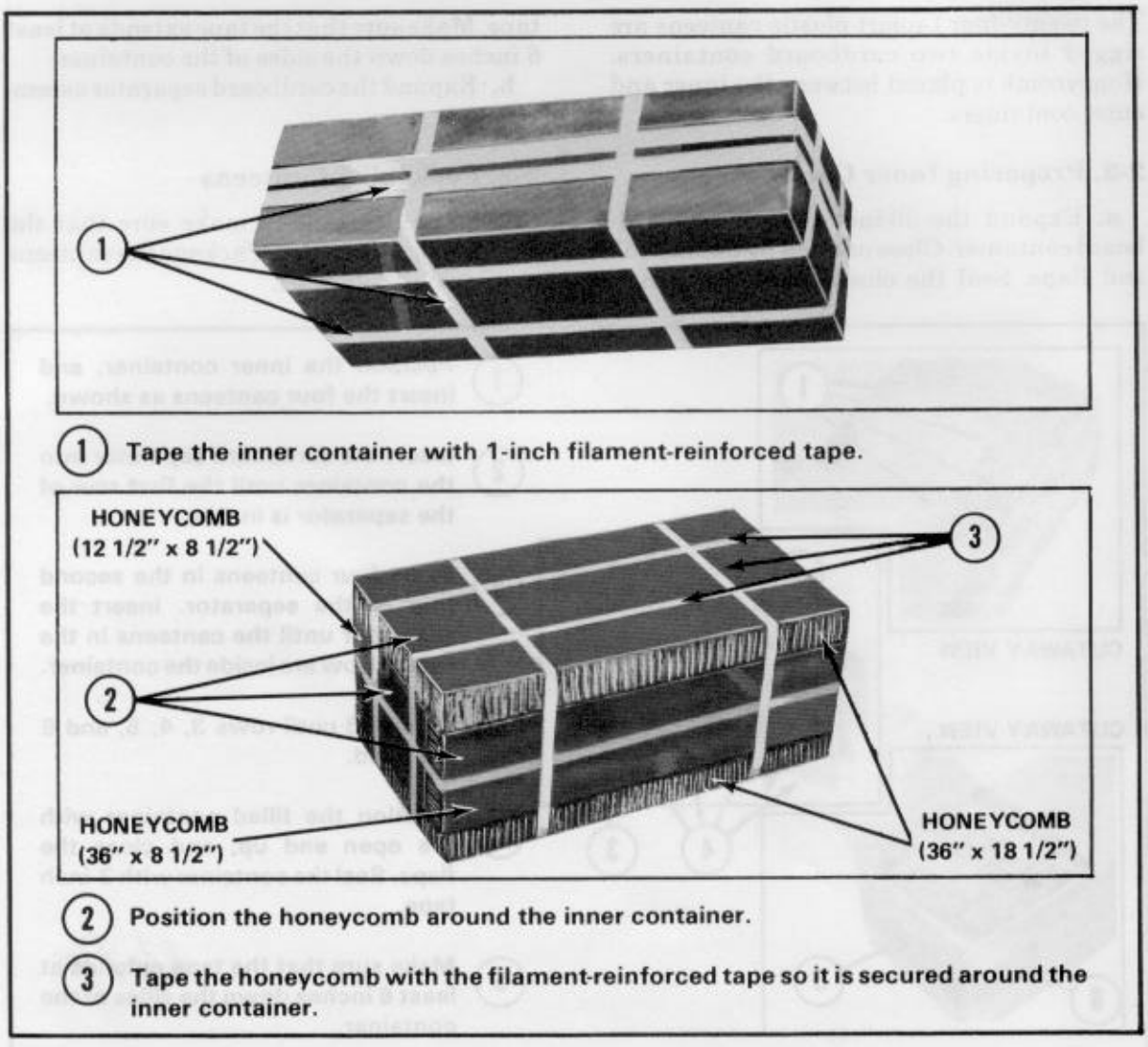
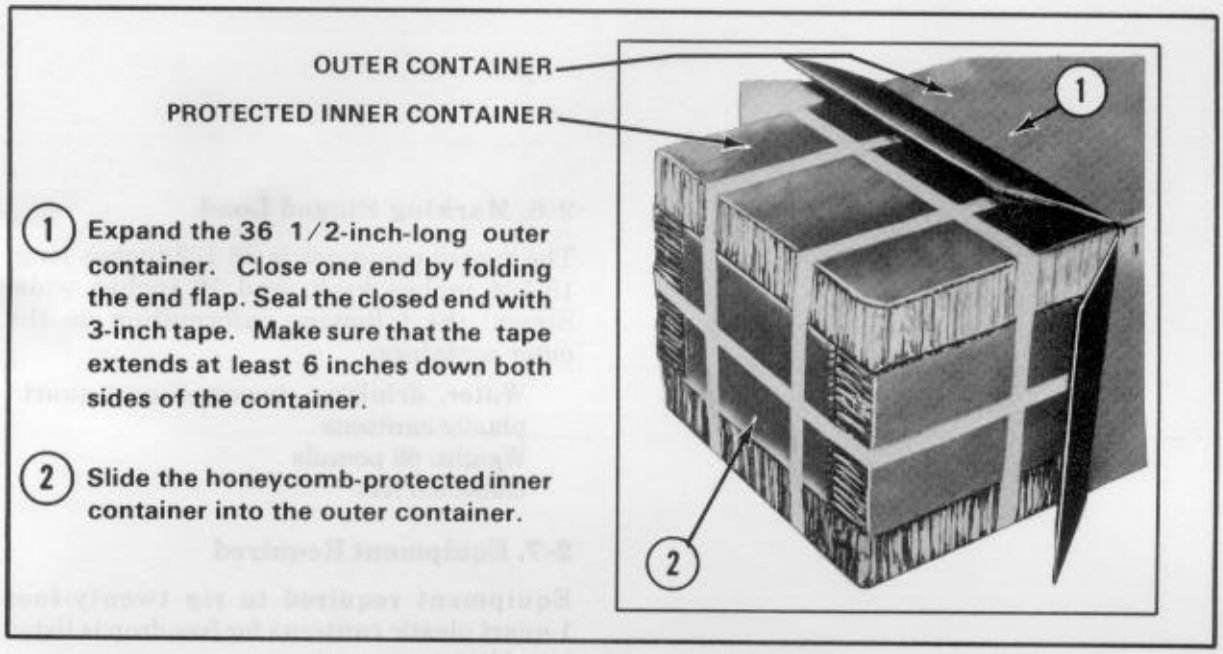


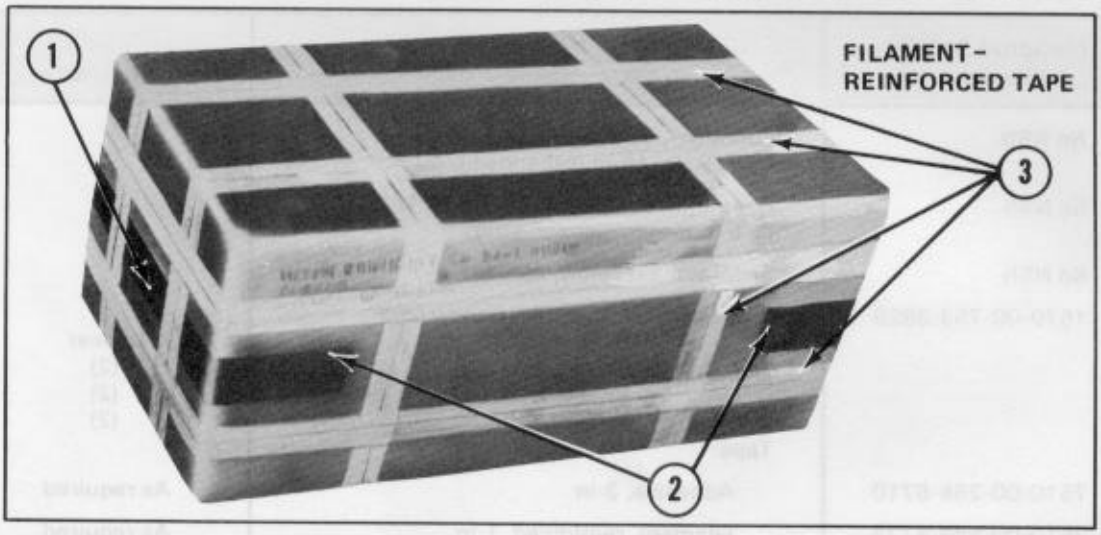
Figure 2-2. Inner container reinforced.



(1) Expand the 36 1/2-inch-long outer container. Close one end by folding the end flap. Seal the closed end with 3-inch tape. Make sure that the tape extends at least 6 inches down both sides of the container.

(2) Slide the honeycomb-protected inner container into the outer container.

Figure 2-3. Outer container prepared.



(1) Position the container with the open end up, and close the end flaps. Seal the container with 3-inch tape.

(2) Make sure the tape extends at least 6 inches down both sides of the container.

(3) Reinforce the outer container with 1-inch filament-reinforced tape.

Figure 2-4. Twenty-four 1-quart plastic canteens packed.

2-6. Marking Rigged Load

The rigged container is 36 1/2 inches long, 15 1/4 inches high, and 19 inches wide. Stencil the following information on the outer container:

Water, drinking, twenty-four 1-quart plastic canteens
Weight: 66 pounds
Cube: 8.3 feet

2-7. Equipment Required

Equipment required to rig twenty-four 1-quart plastic canteens for free drop is listed in table 2-1.

Table 2-1. Equipment required

National Stock Number	Item	Quantity
No NSN	Container, cardboard, 36 1/2- by 18 7/8- by 15-in (expanded size)	1
No NSN	Container, cardboard, 30- by 12 1/2- by 8 5/8-in (expanded size)	1
No NSN	Separator assembly, cardboard	1
1670-00-753-3928	Pad, energy-dissipating, honeycomb, 3- by 36- by 96-in:	1 sheet
	12 1/2- by 8 1/2-in	(2)
	36- by 8 1/2-in	(2)
	36- by 18 1/4-in	(2)
	Tape:	
7510-00-266-6710	Adhesive, 3-in	As required
7510-00-582-4772	Filament, reinforced, 1-in	As required

Section II

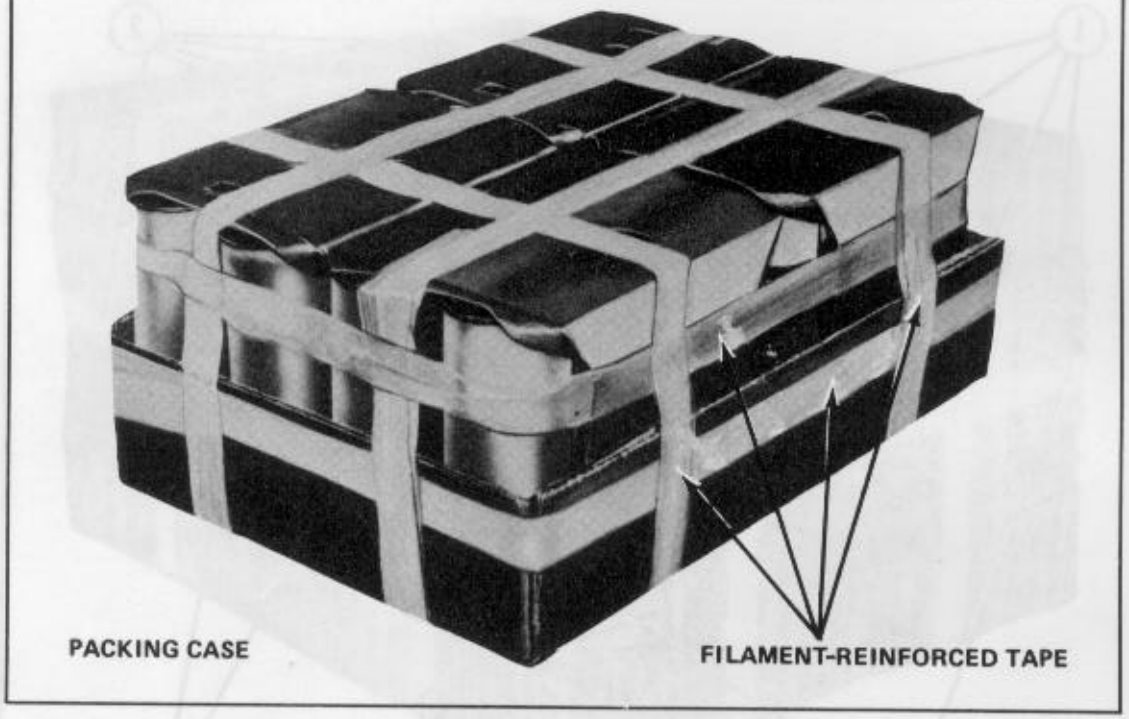
RIGGING TWENTY-FOUR 16-OUNCE CANS

2-8. Description of Load

One case of twenty-four 16-ounce zip-top cans of water is rigged in a cardboard container. Honeycomb is placed between the case and outer container.

2-9. Reinforcing Packing Case

Reinforce the packing case with 1-inch filament- reinforced tape as shown in figure 2-5.



Tape the packing case with 1-inch-wide filament-reinforced tape.

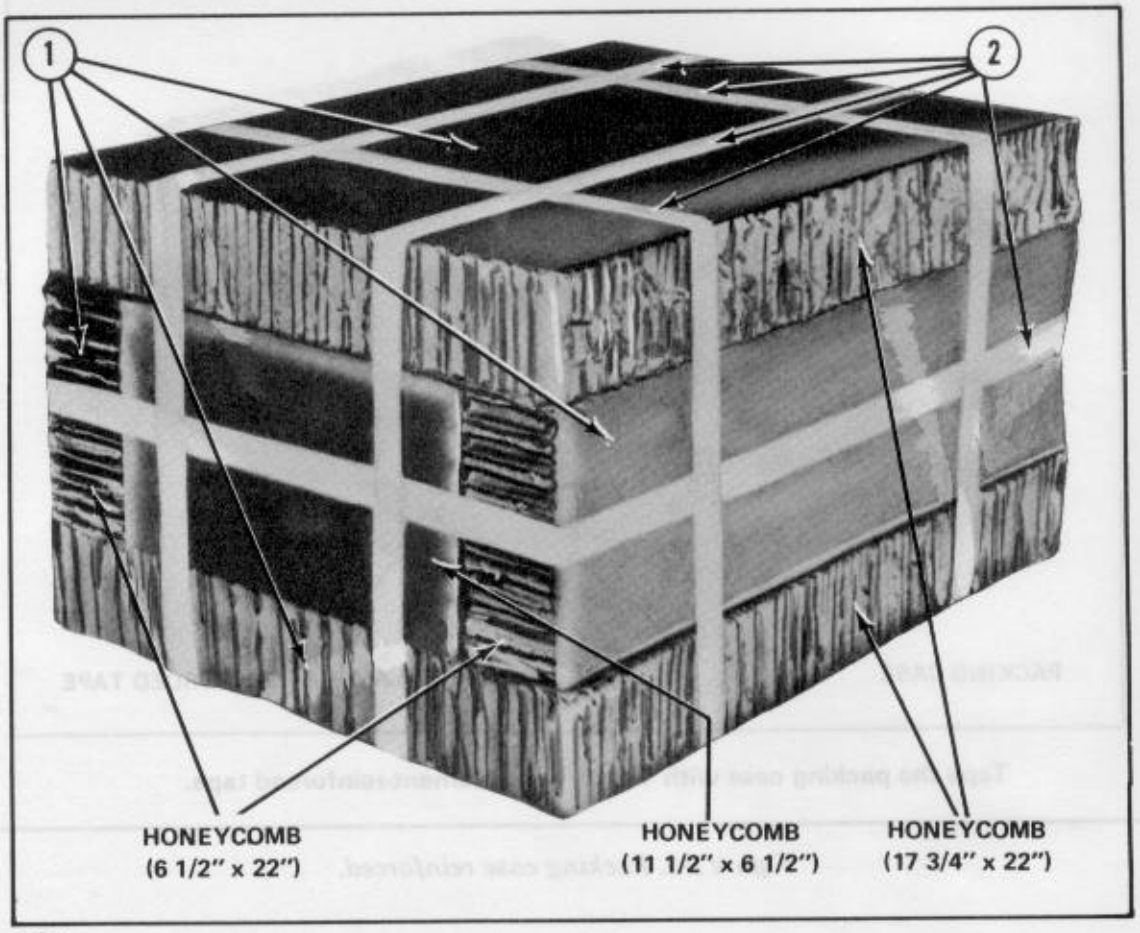
Figure 2-5. Packing case reinforced.

2-10. Positioning Honeycomb

Position two 6 1/2- by 22-inch, two 17 3/4- by 22-inch, and two 11 1/2- by 6 1/2-inch pieces of honeycomb around the packing case as shown in figure 2-6. Secure the honeycomb with 1-inch filament-reinforced tape.

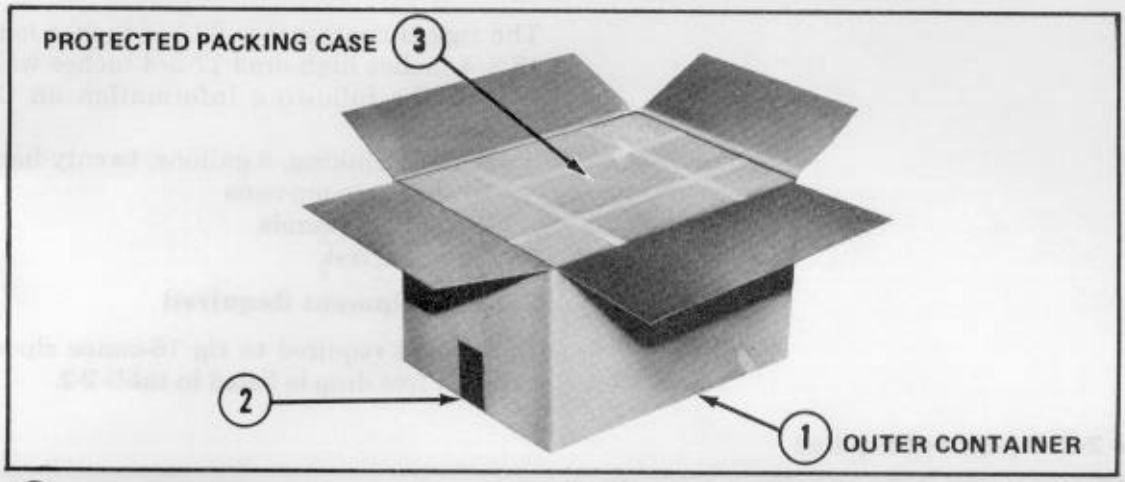
2-11. Preparing and Packing Outer Container

Prepare and pack the outer container as shown in figures 2-7 and 2-8.



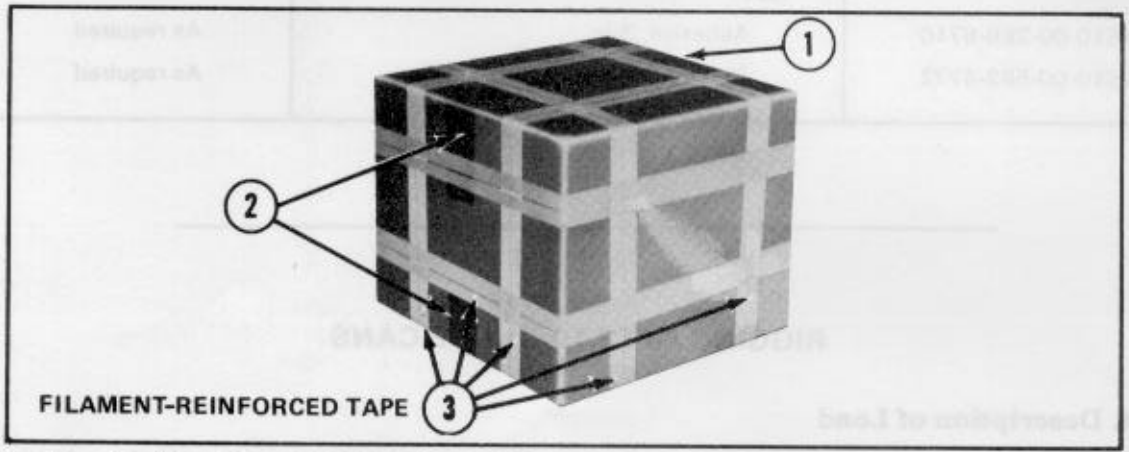
1. Position the honeycomb around the packing case.
2. Use 1-inch filament-reinforced tape to secure the honeycomb around the packing case.

Figure 2-6. Honeycomb placed.



1. Expand the 22 1/4-inch-long outer cardboard container. Close one end of the container by folding the end flaps. Seal the closed end with 3-inch tape.
2. Make sure that the tape extends at least 6 inches down the sides of the container.
3. Slide the packing case, protected with honeycomb, into the outer container.

Figure 2-7. Preparing the outer container.



1. Position the container with the open end up, and close the end flaps. Seal the end of the container with 3-inch tape.
2. Make sure that the tape extends at least 6 inches down the sides of the container.
3. Reinforce the container with 1-inch filament-reinforced tape.

Figure 2-8. One case of zip-top cans of water prepared.

2-12. Marking Rigged Load

The rigged container is 22 1/4 inches long, 13 3/4 inches high, and 17 3/4 inches wide. Stencil the following information on the container:

Water, drinking, 3 gallons, twenty-four 16-ounce zip-top cans
Weight: 39 pounds
Cube: 3.2 feet

2-13. Equipment Required

Equipment required to rig 16-ounce zip-top cans for free drop is listed in table 2-2.

Table 2-2. Equipment required

National Stock Number	Item	Quantity
No NSN	Container, cardboard, 22 1/4- by 17 1/2- by 13 3/4-in (expanded size)	1
1670-00-753-3928	Pad, energy-dissipating, honeycomb, 3- by 36- by 96-in:	1 sheet
	6 1/2- by 22-in	(2)
	11 1/2- by 6 1/2-in	(2)
	17 3/4- by 22-in	(2)
	Tape:	
7510-00-266-6710	Adhesive, 3-in	As required
7510-00-582-4772	Filament, reinforced, 1-in	As required

Section III

RIGGING FIFTY 10-OUNCE CANS

2-14. Description of Load

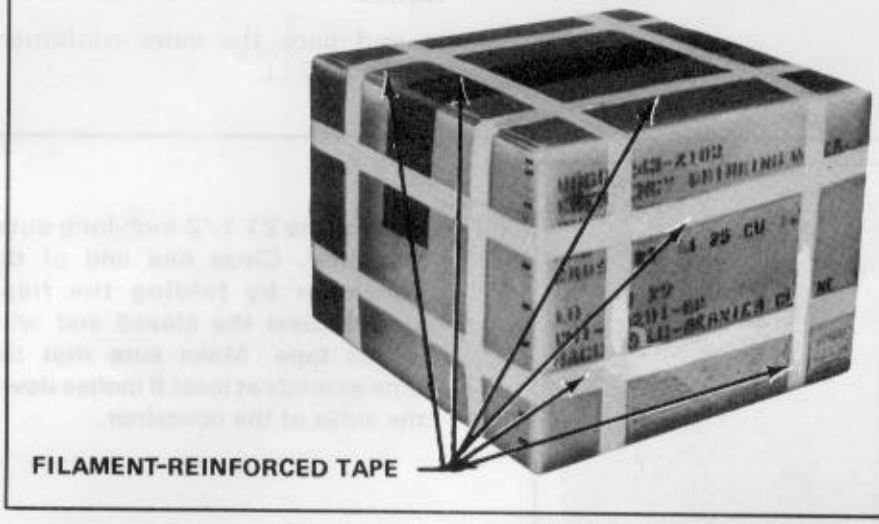
One case of fifty 10-ounce cans of water is rigged in a cardboard container. Honeycomb is placed between the case and outer container.

2-15. Reinforcing Packing Case

Reinforce the packing case with 1-inch filament-reinforced tape applied as shown in figure 2-9.

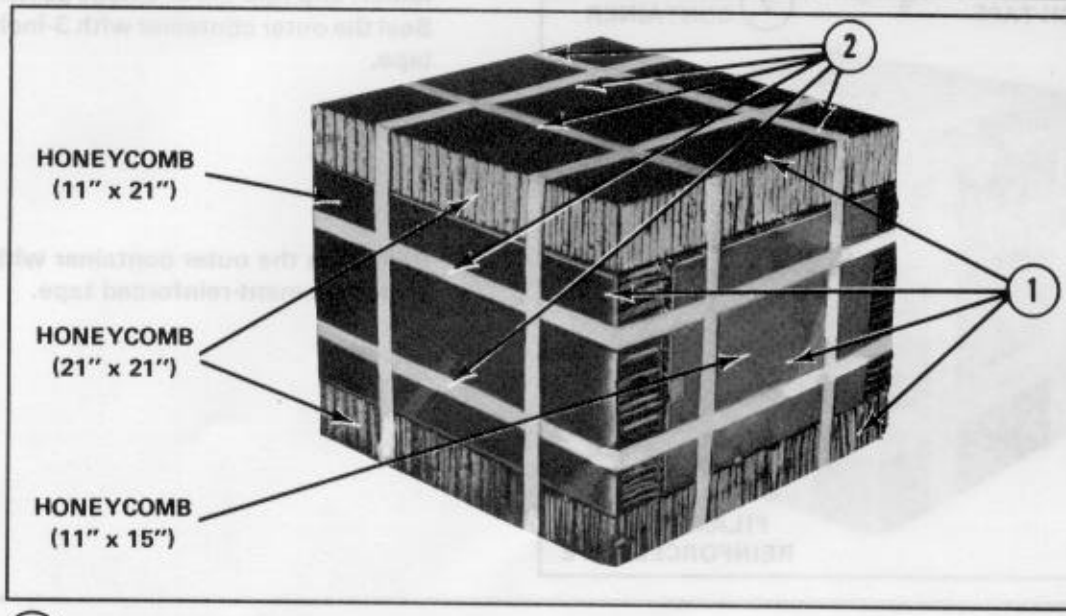
2-16. Positioning Honeycomb

Position two 11- by 21-inch, two 11- by 15-inch, and two 21- by 21-inch pieces of honeycomb as shown in figure 2-10.



Tape the packing case with 1-inch-wide filament-reinforced tape.

Figure 2-9. Packing case reinforced.



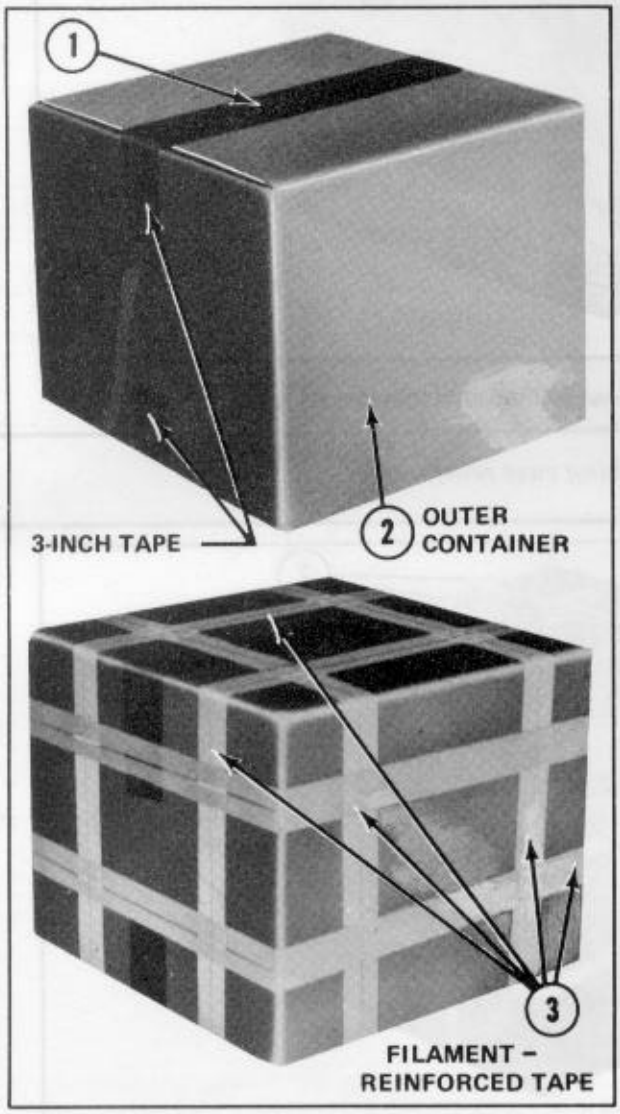
(1) Position the honeycomb around the packing case.

(2) Use 1-inch filament-reinforced tape to secure honeycomb around the packing case.

Figure 2-10. Honeycomb positioned.

2-17. Preparing and Packing Outer Container

Prepare and pack the outer container as shown in figure 2-11.



1. Expand the 21 1/2-inch-long outer container. Close one end of the container by folding the flaps closed. Seal the closed end with 3-inch tape. Make sure that the tape extends at least 6 inches down the sides of the container.

2. Slide the packing case, protected by honeycomb, into the outer container, and fold the end flaps down. Seal the outer container with 3-inch tape.

3. Reinforce the outer container with 1-inch filament-reinforced tape.

Figure 2-11. One case of 10-ounce cans of water prepared.

2-18. Marking Rigged Load

The rigged load is 21 1/2 inches long, 17 1/2 inches high, and 21 1/2 inches wide. Stencil the following information on the outer container:

Emergency drinking water, fifty 10-ounce cans
Weight: 59 pounds
Cube: 4.3 feet

2-19. Equipment Required

Equipment required to rig fifty 10-ounce cans for free drop is listed in table 2-3.

Table 2-3. Equipment required

National Stock Number	Item	Quantity
No NSN	Container, cardboard, 21 1/4- by 21 1/4- by 17-in (expanded size)	1
1670-00-753-3928	Pad, energy-dissipating, honeycomb,	
	3- by 36- by 96-in:	1 sheet
	11- by 15-in	(2)
	21- by 11-in	(2)
	21- by 21-in	(2)
	Tape:	
7510-00-266-6710	Adhesive, 3-in	As required
7510-00-582-4772	Filament, reinforced, 1-in	As required